

# Research projects 2022

<b>Bacteriology</b>	
1	<b>maculopapula rash as presenting of influenza infection in children , a case report</b>
2	<b>Investigating the prevalence, rate, and characteristics of Basidiobolomycosis infection in pediatric cases admitted in pediatric infectious ward of Shiraz Namazi hospital from October 2003 to October 2023</b>
<b>Virology</b>	
1	<b>Identification and investigation of the frequency of human papilloma virus genotypes 16 and 18 (E6 and E7) in women with genital warts referred to Shiraz clinics and comparing its genetic changes with reference HPV (Hela cells)</b>
2	<b>Prevalence of herpes simplex virus type 2 and Epstein-Barr virus in patients with different types of human papilloma infections by real-time PCR method among high-risk group and normal population of women</b>
3	<b>Determining different genotypes of human papilloma virus and investigating simultaneous infections of HSV-2 and EBV with human papilloma virus and determining their effect on the clinical outcome of cervical cancer patients, a single-center study among the clients of medical clinics in Shiraz 2019-2022</b>
4	<b>Investigating the trend of respiratory infections in cold seasons after the end of the COVID-19 pandemic in hospitalized patients - Shiraz</b>
5	<b>Investigating the response of cytokines and the expression of receptors of respiratory epithelial cells in viral infections of Influenza, Respiratory syncytial virus and SARS_COV2 in patients with respiratory symptoms admitted to Namazi Hospital in Shiraz</b>

## Immunology

1	<b>Investigating the relationship between the clinical findings of chronic granulomatous disease with the population of neutrophils expressing CD16 and CD62L, as well as the expression level of gp91phox, p47phox and p67phox proteins in the phagocyte oxidase enzyme complex of neutrophils using flow cytometry method</b>
2	<b>The production of cooling block instrument for RNA extraction and PCR tests</b>

## Mycology

1	<b>Evolution of Neuroimaging Findings in Angioinvasive Cerebral Aspergillosis in a Pediatric Patient with Leukemia during long-term observation</b>
2	<b>Investigation of ERG11 gene mutations and its expression in fluconazole-resistant Candida albicans isolated in different cities of Iran and its relationship with enzymatic activity and biofilm</b>
3	<b>Role of biomarkers in the diagnosis of invasive aspergillosis in immunocompromised patients</b>
4	<b>Basidiobolomycosis, the Rare Disease: Report of Two Culture-Proven Cases</b>
5	<b>Evolution of Neuroimaging Findings in Angioinvasive Cerebral Aspergillosis in a Pediatric Patient with Leukemia during long-term observation</b>